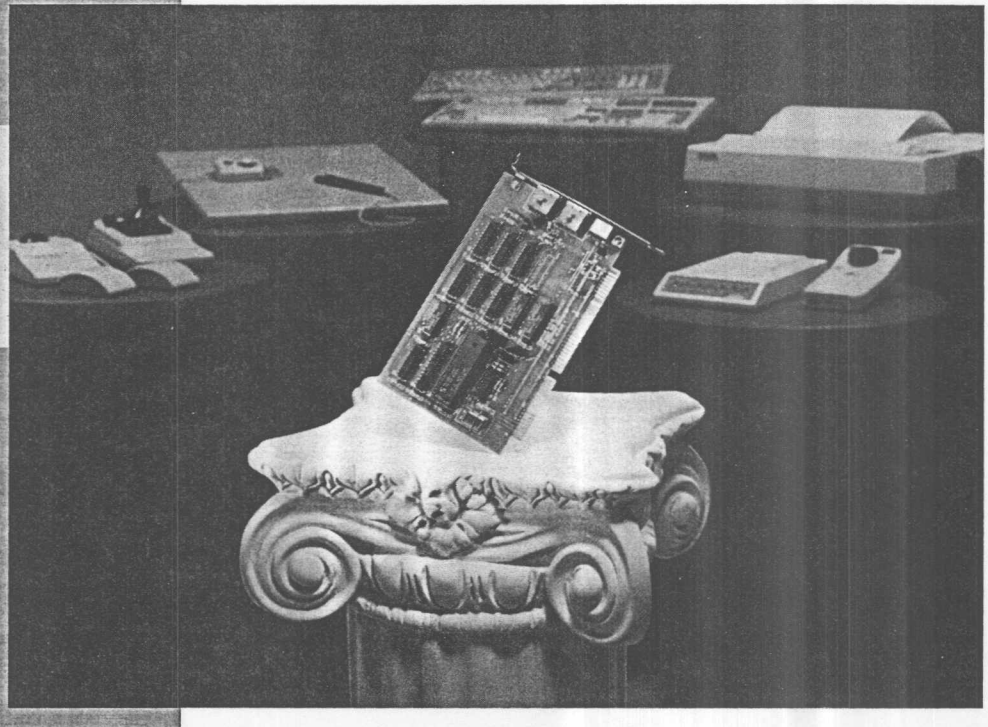
ACCESS.bus Station™

The Plug and Play Connectivity Card For PC-Based Systems

Computer Access Technology's ACCESS.bus Station™ card lets users connect up to 125 ACCESS.bus devices to one computer port. Keyboards, mice, tablets, digitizers, scanners, bar-code readers, modems, printers and more can all run at once.



- **Multiple devices** connect through a **single port**
- Up to **125** devices can operate simultaneously
- **Hot plugging** - devices plug in and out with no disruption in computer operation
- **Automatic** bus arbitration and clock synchronization
- **Comprehensive software package** for DOS and WINDOWS 3.1
- Supports applications with **multiple cursors**
- **Modular** software architecture simplifies the development of new applications
- Standard PC add-on card plugs into **single 16-bit ISA bus slot**
- **Simple** two-wire serial bus
- **Compact** and **convenient** cables and connectors
- **Full compliance** with the ACCESS.bus standard

The ACCESS.bus Station opens the door to exciting multi-user, multi-peripheral applications which, until now, were impossible or too costly and complex. Computer-aided education, simulations, games, point of sale, CAD, industrial process control, data acquisition and workgroup interaction all reach new levels of functionality.

The ACCESS.bus Station fully supports the ACCESS.bus open industry standard. ACCESS.bus devices plug into any platform which supports the standard, from notebooks to desktop PCs, workstations and supercomputers.

Computer Access Technology Corporation (CATC) is the leader in bringing the ACCESS.bus standard to the PC world. The company provides full support, including accessories, peripherals, development tools and demonstration suite. To deliver the power of the ACCESS.bus Station to your applications, call CATC today.

1-800-909-CATC (909-2282)

ACCESS.bus Station

Physical layer

- Simple 2-wire serial bus with automatic bus arbitration and automatic clock synchronization.
- Receiver acknowledges every byte
- Data rate: 100,000 bits/sec

Base protocol

- Communication protocol between generic device driver and host computer:
  - All devices start with default address (6Eh)
  - Host assigns unique address to each device
  - Each device identifies itself and its capabilities in special messages
- Host links device with device driver for direct communication

ACCESS.bus Station specifications

- Size: 4.2" H x 6.5" W half card, occupying a single 16-bit AT/ISA slot
- Based on Philips 8xC654 microcontroller with I^2C interface
- Uses the PC/AT 16-bit programmable I/O mechanism
- User-selectable I/O addresses and interrupts

Diagnostics

- Comprehensive self-test performed on power-up

Device drivers

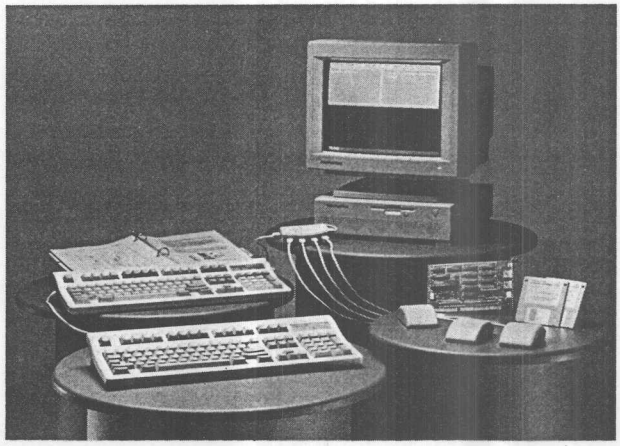
- Common protocol for communication to the ACCESS.bus
- Multiple device support through a single driver

Comprehensive software programs

- On-board ACCESS.bus Main Controller (MC) microcode
- ACCESS.bus Manager runs as a TSR under DOS or a DLL under Windows 3.1
- Software device drivers

Options

- Application Development Kit: a complete development environment for systems integrators and software developers
- Peripheral Development Kit: tools for developers of ACCESS.bus devices
- Demonstration Kit: a hardware and software package which demonstrates the capabilities of the ACCESS.bus technology
- Bus monitoring and control program
- Peripheral devices
- Serial device - and parallel printer-to-ACCESS.bus converters



Computer Access Technology Corporation (CATC) is the leader in the ACCESS.bus technology. CATC's ACCESS.bus hardware and software products include adapter boards and software for the PC and workstations, development tools, devices and accessories.

Computer Access Technology Corporation
3375 Scott Blvd., Suite 410
Santa Clara, CA 95054
Toll free: 1-800-909-CATC (909-2282)
Phone: (408) 727-6600
Fax: (408) 727-6622
E-mail: CATC@netcom.com